



1655

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bengt Mannervik
Serial No. : 10/534,998
Filed : November 9, 2005
Title : INHIBITORS OF GST A3-3 AND GST A1-1 FOR THE TREATMENT OF
CANCER

Art Unit : 1655
Examiner : Bin Shen
Conf. No. : 1999

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No.: 13425-169US1.

Respectfully submitted,

Date:

August 15, 2006

John T. Kendall
John T. Kendall, Ph.D.
Reg. No. 50,680

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110
Telephone: (617) 542-5070
Facsimile: (617) 542-8906
21397801.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

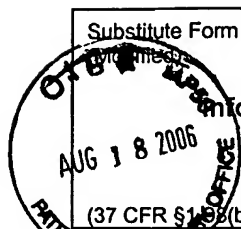
Date of Deposit

August 15, 2006

Signature

Jonathan N. Leach
Jonathan N. Leach

Typed or Printed Name of Person Signing Certificate

	Substitute Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13425-169US1	Application No. 10/534,998
	Information Disclosure Statement by Applicant (Use several sheets if necessary)			Applicant Bengt Mannervik
	(37 CFR §1.92(b))			Filing Date November 9, 2005

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,063,570	05/16/00	McGonigle et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB	WO 00/18937	04/06/00	WIPO				
	AC	WO 96/32936	10/24/96	WIPO				
	AD	WO 95/20601	08/03/95	WIPO				
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	Henry, R. et al., "Inhibition of glutathione-S-aryltransferase from rat liver by organogermanium, lead and tin compounds", <i>Biochemical Pharmacology</i> , Vol. 25, No. 20, pp. 2291-2295 (1976).
	AG	Hiratsuka, A. et al., (S)-Preferential detoxification of 4-hydroxy-2(E)-nonenal enantiomers by hepatic glutathione S-transferase isoforms in guinea-pigs and rats", <i>Biochem J.</i> , Vol. 355, pp. 237-244 (2001).
	AH	Johansson, A. et al., "Active-Site Residues Governing High Steroid Isomerase Activity in Human Glutathione Transferase A3-3, <i>The Journal of Biological Chemistry</i> , Vol. 277, No. 19, pp. 16648-16654, (2002).
	AI	Johansson, A. et al., "Human Glutathione Transferase A3-3, a Highly Efficient Catalyst of Double-bond Isomerization in the Biosynthetic Pathway of Steroid Hormones", <i>The Journal of Biological Chemistry</i> , Vol. 276, No. 35, pp. 33061-33065 (2001).
	AJ	Krengel, U. et al., "Crystal structure of a murine α -class glutathione S-transferase involved in cellular defense against oxidative stress", <i>FEBS</i> 19794, Vol. 422, pp. 285-290, (1998).
	AK	Mannerik, B. et al., "Measurement of glutathione transferases, in 'Current Protocols in Toxicology'", (M.D. Maines, L.G. Costa, D.J. Reed, S. Sassa, and I.G. Sipes, eds.), John Wiley & Sons, New York, pp. 6.4.1-6.4.10, (1999).
	AL	Mannervik, B. et al., "Glutathione Transferases - structure and catalytic activity", <i>CRC Crit. Rev. Biochem.</i> , Vol. 23, pp. 283-337, (1988).
	AM	Sheehan, D. et al., "Structure function and evolution of glutathione transferases: implications for classification of non-mammalian members of an ancient enzyme superfamily", <i>Biochem J.</i> , Vol. 360, pp. 1-16, (2001).
	AN	Stark, T. et al., "Expression of glutathione transferase isoenzymes in the human H295R adrenal cell line and the effect of forskolin", <i>J. Biochem. Mol. Toxicol.</i> , Vol. 16, pp. 169-173, (2002).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	